| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 17 | ("1448243"\|"2032642"\|"2522444"\|"2716455"\|"3322198"\|"4450905"\|"5150751"\|"5295536"\|"5351753"\|"5377748"\|"5540283"\|"5551511"\|"5775419"\|"5937947"\|"6119772"\|"6263970"\|"6315051").PN. | USPAT | OR | ON | 2005/09/15 09:16 |
| L2 | 156 | (166/81.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/15 09:16 |
| L3 | 103 | (166/81.1).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/15 09:26 |
| L4 | 1460 | ((166/84.4,380) or (175/209,212,214)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/15 09:27 |
| L5 | 1128 | ((166/84.4,380) or (175/209,212,214)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/15 10:03 |
| L7 | 3618 | ((166/84.4,380,81.1,379,84.1,93.1) or (175/209,212,214,57,207,209,215,216)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/15 09:28 |
| L8 | 201 | 7 and ((fluid mud) with (bucket saver collect$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:43 |
| L9 | 160 | 8 not 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:29 |

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|---|---|---|---|---|---|---|
| L10 | 68 | ("0319693" \| "0551464" \| "0551465" \| "0796327" \| "1481158" \| "1542776" \| "1969513" \| "1972846" \| "2096882" \| "2214428" \| "2329461" \| "2353412" \| "2522444" \| "2605083" \| "2610690" \| "2716455" \| "2730333" \| "3196717" \| "3738436" \| "3847372" \| "4276945" \| "4450905").PN. OR ("1448243" \| "2005/0155757" \| "2032642" \| "2522444" \| "4450905" \| "5551511").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/15 09:40 |
| L11 | 50 | ("0319693" \| "0551464" \| "0551465" \| "0796327" \| "1481158" \| "1542776" \| "1969513" \| "1972846" \| "2096882" \| "2214428" \| "2329461" \| "2353412" \| "2522444" \| "2605083" \| "2610690" \| "2716455" \| "2730333" \| "3196717" \| "3738436" \| "3847372" \| "4276945" \| "4450905").PN. OR ("1448243" \| "2005/0155757" \| "2032642" \| "2522444" \| "4450905" \| "5551511").URPN. | US-PGPUB; USPAT | OR | ON | 2005/09/15 09:40 |
| L12 | 647 | 7 and ((fluid mud) with (bucket saver collect$4 contain$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:51 |
| L13 | 446 | 12 not 8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:46 |
| L14 | 442891 | ((fluid mud) with (box bucket saver collect$4 contain$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:52 |
| L15 | 76053 | 14 and piston | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:15 |
| L16 | 9480 | 15 and (latch$4 hook) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:15 |

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|---|---|---|---|---|---|---|
| L17 | 5189 | 16 and seal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:53 |
| L18 | 547 | 17 and (drill$4 near3 (fluid mud)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:15 |
| L19 | 487 | 18 not (12 or 8) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 09:54 |
| L21 | 14954 | 14 and (drill$4 near3 (fluid mud)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:15 |
| L23 | 3148 | 21 and piston | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:16 |
| L24 | 671 | 23 and (latch$4 hook) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:15 |
| L25 | 184 | 24 not 19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/15 10:16 |

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|---|---|---|---|---|---|---|
| L26 | 71 | ("0319693" \| "0551464" \| "0551465" \| "0796327" \| "1481158" \| "1542776" \| "1969513" \| "1972846" \| "2096882" \| "2214428" \| "2329461" \| "2353412" \| "2522444" \| "2605083" \| "2610690" \| "2716455" \| "2730333" \| "3196717" \| "3738436" \| "3847372" \| "4276945" \| "4450905").PN. OR ("1448243" \| "2005/0155757" \| "2032642" \| "2096882" \| "2353412" \| "2522444" \| "4450905" \| "5551511").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/15 10:18 |
| L27 | 53 | ("0319693" \| "0551464" \| "0551465" \| "0796327" \| "1481158" \| "1542776" \| "1969513" \| "1972846" \| "2096882" \| "2214428" \| "2329461" \| "2353412" \| "2522444" \| "2605083" \| "2610690" \| "2716455" \| "2730333" \| "3196717" \| "3738436" \| "3847372" \| "4276945" \| "4450905").PN. OR ("1448243" \| "2005/0155757" \| "2032642" \| "2096882" \| "2353412" \| "2522444" \| "4450905" \| "5551511").URPN. | US-PGPUB; USPAT | OR | ON | 2005/09/15 10:18 |
| L28 | 3 | 27 not 11 | US-PGPUB; USPAT | OR | ON | 2005/09/15 10:18 |